

Inventory and Monitoring Program



The San Francisco Bay Area Network Inventory and Monitoring Program tracks the status and trends of the region's natural resources in order to improve park management through greater reliance on scientific knowledge.

Project Highlights – June 2007

Two More Monitoring Protocols Submitted for Review

The inventory and monitoring program has just submitted two more protocols for peer review. The peer review process is a critical element of developing monitoring protocols to ensure that our program meets a high level of scientific rigor. Solid protocols are one of the best ways to ensure that environmental changes are real as opposed to the result of changes in collection methods. Darren Fong deserves the credit for completing the Freshwater Flow Monitoring Protocol with help from Paul Johnson, Dave Press, and Rob Carson. Andrea Williams has completed the Invasive Plant Species Early Detection Protocol with help from Jane Rodgers and Susan O'Neil. Elizabeth Speith of the Golden Gate National Parks Conservancy also contributed to the protocol and took a lead on pilot testing at Golden Gate NRA. We thank them for their hard work!

2007 Smolt Trapping Summary

The 2007 fish trapping season was very exciting with a total of 20 adult steelhead observed migrating downstream. Higher than normal numbers of steelhead smolts and fry were also observed. Preliminary coho smolt production estimates indicate higher than normal overwintering survival rates which ranged from 58% in Redwood Creek to 82% in Pine Gulch. These high survival rates could be due to the mild winter this year and a decrease in intra-species competition explained by the lower than normal juvenile coho densities last year. Our Coho and Steelhead Project is now looking for volunteers for summer monitoring (electrofishing) which has already started. Contact, Casey_Del_Real@partner.nps.gov or call 415-464-5141 for more information.



Dawn Adams, Network Ecologist, is now in Alaska

After many years working in Point Reyes, Dawn has decided to leave sunny California for cold, but beautiful Skagway, Alaska. She will still be working intermittently for the SFAN and will complete the elephant seal annual report and spotted owl protocol. We will all greatly miss her but she is just a phone call away.

Links of Interest:

Climate Change: NOAA website (<http://www.cpc.ncep.noaa.gov/charts.shtml>) summarizes changes that have occurred in biogeographic areas across the country over the last 30 years. Kathy Joep, Regional Program Chief of Natural Resources, overlaid a **map of the parks** on their annual and quarterly maps, and developed a spreadsheet of the changes by park and network which can be viewed on the Weather & Climate Intranet page. For more information see:

<http://www1.nrintra.nps.gov/im/units/sfan/monitor/weatherclimate/weatherclimate.cfm>